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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 15 May 2018 from the Permanent Mission of the United Kingdom of Great Britain and Northern Ireland to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United Kingdom of Great Britain and Northern Ireland to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information on space objects O3b M013, O3b M014, O3b M015 and O3b M016 (see annex).

V.18-03453 (E) 210518 220518

Please recycle

Annex

Registration data on space objects launched by the United Kingdom of Great Britain and Northern Ireland*

O3b M013

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-024D
Name of space object	O3b FM013 (known as O3b M013)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	43234
State of registry	United Kingdom of Great Britain and Northern Ireland
Date and territory or location of launch	9 March 2018 at 1410 hours 0 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,069 kilometres
Perigee	8,062 kilometres
General function of space object	Communications

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	O3b Networks Limited
Website	www.ses.com/networks/
Launch vehicle	Soyuz

O3b M014

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-024C
Name of space object	O3b FM014 (known as O3b M014)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	43233
State of registry	United Kingdom of Great Britain and Northern Ireland
Date and territory or location of launch	9 March 2018 at 1410 hours 0 seconds UTC; Kourou, French Guiana

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,069 kilometres
Perigee	8,062 kilometres
General function of space object	Communications

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	O3b Networks Limited
Website	www.ses.com/networks/
Launch vehicle	Soyuz

O3b M015

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-024A
Name of space object	O3b FM015 (known as O3b M015)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	43231
State of registry	United Kingdom of Great Britain and Northern Ireland
Date and territory or location of launch	9 March 2018 at 1410 hours 0 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,070 kilometres
Perigee	8,062 kilometres
General function of space object	Communications

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	O3b Networks Limited
Website	www.ses.com/networks/
Launch vehicle	Soyuz

O3b M016

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-024B

Name of space object	O3b FM016 (known as O3b M016)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	43232
State of registry	United Kingdom of Great Britain and Northern Ireland
Date and territory or location of launch	9 March 2018 at 1410 hours 0 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,070 kilometres
Perigee	8,062 kilometres
General function of space object	Communications

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	O3b Networks Limited
Website	www.ses.com/networks/
Launch vehicle	Soyuz

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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 29 May 2018 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on space launches by the Russian Federation for April 2018 and also on the space objects that ceased to exist during that period (see annex).

V.18-04779 (E) 090718 100718

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Annex

Registration data on space launches by the Russian Federation in April 2018*

1. In April 2018, the following space object under the jurisdiction and control of the Russian Federation was launched:

Registration number	*Name of space object*	*Date of launch*	*Basic orbital characteristics*				*General function of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3492-2018-005	Cosmos-2526, launched by a Proton-M carrier rocket with a Breeze-M booster from the Baikonur launch site	19 April 2018	35 785.9	35 785.9	0.0	1 439.0	Intended for assignments on behalf of the Ministry of Defence of the Russian Federation

2. In April 2018, the Russian Federation launched the following space object on behalf of a foreign client:

On 25 April 2018, the scientific satellite Sentinel-3B (European Space Agency) was launched from the Plesetsk launch site by a Rokot launch vehicle with a Breeze-KM booster.

3. The following space object ceased to exist in April 2018 and was no longer in Earth orbit as at 2400 hours Moscow time on 30 April 2018:

2017-065A (Progress MS-07): de-orbited into the Pacific Ocean at a predetermined location on 26 April 2018; fragments of the space object that had not burned up were sunk.

* The registration data are reproduced in the form in which they were received.

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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 4 June 2018 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on space launches by the Russian Federation for March 2018 and also on the space objects that ceased to exist during that period (see annex).

V.18-04785 (E) 090718 100718

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ST/SG/SER.E/69

Registration data on space launches by the Russian Federation in March 2018*

1. In March 2018, the following space objects under the jurisdiction and control of the Russian Federation were launched:

Registration number	*Name of space object*	*Date of launch*	*Basic orbital characteristics*				*General function of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3490-2018-003	Soyuz MS-08, launched by a Soyuz-FG carrier rocket from the Baikonur launch site	21 March 2018	247.0	200.7	51.7	88.7	Delivery to the International Space Station of the crew of Expeditions 55 and 56, consisting of Oleg Germanovich Artemyev (Russian Federation), commander of the manned transport vehicle, and flight engineers Andrew Feustel and Richard Arnold (both of the United States of America)
3491-2018-004	Cosmos-2525, launched by a Soyuz-2-1v carrier rocket from the Plesetsk launch site	29 March 2018	344.9	318.5	96.6	90.9	Intended for assignments on behalf of the Ministry of Defence of the Russian Federation

2. In March 2018, the Russian Federation did not launch any space objects on behalf of foreign clients.

3. As at 2400 hours Moscow time on 31 March 2018, no space objects belonging to the Russian Federation had been found to have ceased to exist in Earth orbit in March 2018.

V.18-04785

* The registration data are reproduced in the form in which they were received.